

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1242707-EJH	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/AU2004/000374	International filing date (<i>day/month/year</i>) 26 March 2004	(Earliest) Priority Date (<i>day/month/year</i>) 26 March 2003
Applicant CRC FOR ASTHMA LIMITED et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☒ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II).3. ☐ Unity of invention is lacking (See Box No. III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

5. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

☒ a sequence listing

☐ table(s) related to the sequence listing

b. format of material

☐ in written format

☒ in computer readable form

c. time of filing/furnishing

☒ contained in the international application as filed

☐ filed together with the international application in computer readable form

☐ furnished subsequently to this Authority for the purposes of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2000/059506 A1 (BRISTOL-MYERS SQUIBB CO.) 12 October 2000 See whole document, especially page 1 lines 5 to 14	1-7, 9-11, 14, 15, 17, 19, 20, 22, 24- 31, 33-34
X	WO 2002/062848 A2 (CHILDREN'S HOSPITAL MEDICAL CENTER) 15 August 2002 See whole document	1-3, 9, -11, 17, 18, 20, 21 30-32, 34-38
X	PubMed Abstract 1512466: <i>J Invest Dermatol.</i> 1992 Sep; 99(3): 299-305; Madsen P, <i>et al.</i> , "Molecular cloning and expression of a novel keratinocyte protein (psoriasis-associated fatty acid-binding protein [PA-FABP]) that is highly up-regulated in psoriatic skin and that shares similarity to fatty acid-binding proteins." and EMBL Accession Id. HSFABPHA See whole abstract and sequence	1-7, 9-15
X	PubMed Abstract 2481498: <i>Biochemistry</i> 1989, 28 (22): 8683-8690, Baxa, C A. <i>et al.</i> "Human adipocyte lipid-binding protein: purification of the protein and cloning of its complementary DNA." and EMBL Accession Id. HSALBP See whole abstract and sequence	1-6, 8-14, 16

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A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. 7: A61K 31/41, A61K 31/4164, A61K 31/4178, A61K 31/4196, A61K 31/4245, A61P 11/06, C07D 231/12, C07D 233/54, C07D 249/12, C07D 263/32, C07D 307/42, C07D 317/22, C07D 333/16, C07D 333/18, C07D 403/10, C07D 403/12, C07D 405/10, C07D 413/10, C07K 14/47, G01N 33/50, G01N 33/53		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN files: Medline, CA, WPIDS, BIOSIS. Keywords: adipocyte lipid binding protein, aP2, ?fabp?, albp, fatty acid binding protein, mall, inflam?, asthma? or bronch? ANGIS: SEQ ID NOS. 8 and 9 Espace Keywords: asthma. inflam*, aP2, FABP, gene, express*		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0036070 A1 (CHAKRAVARTI) 20 February 2003 See whole document	1, 9, 17, 30, 34, 36
X	EP 1 234 878 A1 (TAKEDA CHEMICAL INDUSTRIES, LTD.) 28 August 2002 See whole document, especially page 1 lines 48-50.	1-3, 5, 9-11, 17-21, 30, 31, 32, 34, 35- 38
X	WO 2000/029621 A2 (GENELABS TECHNOLOGIES, INC.) 25 May 2000 See whole document, especially page 1 lines 5 to 10	1-3, 9, -11, 17, 18, 20, 21, 30-32, 34-38
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"B" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search 17 May 2004		Date of mailing of the international search report 27 MAY 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer DAVID GRIFFITHS Telephone No : (02) 6283 2628

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Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	2003/0036070	NONE					
EP	1234878	AU	15484/01	CA	2392472	JP	2002010791
		WO	2001/038530				
WO	2000/029621	AU	14782/00				
WO	2000/059506	AU	39036/00	BG	105968	BR	0009563
		CA	2366871	CZ	20013542	EE	200100504
		EP	1181014	HU	0202251	ID	30322
		LT	2001092	LV	12782	NO	20014823
		NZ	513493	PL	350900	SK	13152001
		US	6548529	US	2003/0199563	ZA	200106856
WO	2002/062848	CA	2437700	US	2002/0151064		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							